Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start		Rating **	Α	Issue No.		5		
LM End		Issue Type +	Ма	Location * N/A				
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item		s & Maintena	nce		0		0	
пеш	Manuals						0	
DWR ID DWR_RD0827_01_s _ 2013_5								
		Comn	nent Cod	le				
			_					
		Inspecto	or Comm	nent				
RD 827 has a copy of the levee manuals.								

No Photos

LM Start		Rating **	Α	Issue No.		7	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item		cy Supplies &			0		0
пеш	Equipmer	nt			0		0
DWR ID	DWR_RD0	827_01_s _ 201	3_7				
		Comn	nent Cod	de			

No Photos

Inspector Comment

RD 827 shares a maintained stockpile of Flood Response Material with RD 785.

LM Start		Rating **	Α	Issue No.		9	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Earthen L	evee		GPS La	le/Longitude		
Calegory				Start		End	
Item	Flood Pre	paredness &	Training		0		0
пеш					0		0
DWR ID	DWR_RD0	827_01_f _ 201	4_9				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			

No Photos

RD 827 works jointly with RD 785 on Flood Preparedness and Training.

* Location		** Rating		+ Issue Type
LS: Land Side	N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR · Crown		II · I Inaccentable	A/W · Acceptable but Monitor & Maintain	En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	0.04	Rating **	A/W	Issue No.		6	
LM End	0.04	Issue Type +	WS				
Category	Earthen L	evee		GPS Latitude/Longitude			
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.6748	33°	38.674833 °	
item				-121.6300	39°	-121.630039 °	
DWR ID	DWR_RD0	827_01_s _ 201	8_6				
		Comn	nent Cod	le			
E1 : Note a	and monito	or erosion site					
Inspector Comment							
	Small rills beginning to form on waterside slope. Recommend monitoring.						



View of rills on the waterside slope. Spring 2018.

LM Start	0.45	Rating **	М	Issue No.		8
LM End	0.45	Issue Type +	Ma	Location *	WS	
Category Earthen Levee				GPS Latitude/Longitude		
Category	Category					End
Item	Encroach	ments		38.67063	8 °	38.670638°
пеш				-121.62465	2 °	-121.624652 °
DWR ID DWR_RD0827_01_s _ 2018_8						
		0		ı.		

Comment Code

TR : Tree or limb

Inspector Comment

Fallen tree on the waterside slope.

LM Start	0.51	Rating **	М	Issue No.		13		
LM End	0.51	Issue Type +	Ma	Location *		LS		
Category Earthen Levee				GPS La	atitud	le/Longitude		
Calegory				Start		End		
Item	Erosion /	Bank Caving		38.6699	29°	38.669929°		
item				-121.6237	76°	-121.623776 °		
DWR ID	DWR_RD0	827_01_s _ 201	6_13					
		Comn	nent Coc	le				
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.		
		Inspecto	or Comm	nent				
Rills caused by rain.								



View of the erosion on the landward side of the levee looking downstream. Spring 2016.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	0.51	Rating **	М	Issue No.		13 (cont)	
LM End	0.51	Issue Type +	Ма	Location *	LS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Erosion /	Bank Caving		38.6699	29°	38.669929°	
пеш				-121.6237	76°	-121.623776°	
DWR ID	DWR_RD0	827_01_s _ 201	6_13				
		Comn	nent Cod	le			
E2 : Sched	dule repair	of erosion site	e prior to	the next in	spe	ction.	
			_				
		Inspecto	or Comm	nent			
Rills caused by rain.							



View of runoff erosion site. LS slope. Fall 2016.

LM Start	0.61	Rating **	A/W	Issue No.		22		
LM End	0.92	Issue Type +	Location *		WS			
Category	Earthen L	.evee	GPS La	GPS Latitude/Longitude				
Category	Category				Start		End	
Item	Vegetation					38.665750	0	
пеш				-121.622513 °		-121.618523	0	
DWR ID	DWR_RD0	827_01_s _ 201	2_22					
		Comn	nent Cod	de				
V8 : Environmental Requirements.								
	Inspector Comment							

LM Start	0.61	Rating **	A/W	Issue No.	22 (cont)
LM End	0.92	Issue Type +	Ma	Location *	WS



Revegetation site spring 2012.

Photo 2 of 2: SP_2019_RD0827_187_22_20190304_00014.jpg



View of the revegetation site on the waterward side of the levee looking downstream. Fall 2015.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	1.00	Rating **	М	Issue No.		15
LM End	1.01	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Vegetatio	getation			20 °	38.664720 °
пеш				-121.6175	57°	-121.617318°
DWR ID	DWR_RD0827_01_s _ 2017_15					

7_01_s _ 2017_15 Comment Code

V2 : Remove the wild growth other than native grasses from the levee slopes.

Inspector Comment

Prunings and fallen tree limbs on waterside levee slope.

No Photos

LM Start	1.02	Rating **	A/W	Issue No.		18	
LM End	1.02	Issue Type +	Ma	Location *	WS		
Category Earthen Levee				GPS Latitude/Longitude			
Calegory		Start		End			
Item	Erosion / Bank Caving			38.66469	o°	38.664690	٥
пеш		-121.61726	6°	-121.617266	•		
DWR ID DWR_RD0827_01_f _ 2018_18							
		0		ı.			

Comment Code

E1: Note and monitor erosion site.

Inspector Comment

Minor runoff on the waterside slope. Recommend monitoring.

No Photos

	LM Start	1.09	Rating **	M	Issue No.		17	
	LM End	1.09	Issue Type +	Ма	Location *		WS	
	Category	Earthen L	GPS Latitude/Longitude					
	Calegory				Start		End	
	Item	Erosion / Bank Caving			38.6639	46°	38.663946	0
пеш					-121.6164	53 °	-121.616453	0
	DWR ID	DWR_RD0	827_01_s _ 201	9_17				
			_					

Comment Code

E2: Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Runoff site through rodent holes.

Photo 1 of 1 : SP_2019_RD0827_187_17_20190311_00018.jpg



View of erosion on the waterside slope. Spring 2019.

* Location		** Rating		+ Issue Type
LS: Land Side	N/A: Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiancy
WS: Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En: Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	1.12	Rating **	М	Issue No.		19	
LM End	1.12	Issue Type +	Ma	Location *		WS	
Category	Earthen L	GPS La	atitud	e/Longitude			
Calegory				Start		End	
Item	Encroach	ments	38.663572°		38.663572 °		
пеш				-121.616087 °		-121.616087 °	
DWR ID	DWR_RD0	827_01_s _ 201	9_19				
		Comn	nent Cod	le			
TR : Tree	or limb						
	Inspector Comment						
Fallen tree	Fallen tree on waterside slope.						

No Photos

LM Start	1.12	Rating **	М	Issue No.		3	
LM End	1.12	Issue Type +	Ма	Location *		WS	
Category	Earthen L	evee		GPS La	titud	le/Longitude	
Calegory		Start		End			
Item	Erosion /	Bank Caving		38.6635	42 °	38.663542	0
iteiii				-121.6160	56°	-121.616056	0
DWR ID	DWR_RD0827_01_f _ 2016_3						

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Erosion on the crown and waterside slope from runoff.

LM Start	1.12	Rating **	М	Issue No.	3 (cont)
LM End	1.12	Issue Type +	Ma	Location *	WS

Photo 1 of 3: SP_2019_RD0827_187_3_20190304_00001.jpg



View of erosion on waterside levee slope. Spring 2017.

Photo 2 of 3: SP_2019_RD0827_187_3_20190304_00002.jpg



Another view of erosion on levee slope. A hole on the waterside slope has widened due to runoff. Spring 2017.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	1.12	Rating **	М	Issue No.	3 (cont)			
LM End	1.12	Issue Type +	Ma	Location *	WS			
Category	Earthen L	rthen Levee			atitude/Longitude			
Calegory				Start		End		
Item	Erosion / Bank Caving			38.663542°		38.663542°		
пеш			-121.616056 °		-121.616056 °			
DWR ID	DWR_RD0	827_01_f _ 201	6_3					
		Comn	nent Cod	le				
E2 : Schedule repair of erosion site prior to the next inspection.								

Inspector Comment
Erosion on the crown and waterside slope from runoff.



View of erosion on crown continuing to WS slope. Fall 2016.

LM Start	1.14	Rating **	A/W	Issue No.		14	
LM End	1.14	Issue Type +	Ма	Location *		WS	
Cotogoni	Earthen L	evee		GPS La	atitud	le/Longitude	
Category				Start		End	
Item	Erosion /	Bank Caving		38.6633	77°	38.663377°	
item			-121.615895 °		-121.615895°		
DWR ID	DWR_RD0	827_01_s _ 201	7_14				

Comment Code

E2 : Schedule repair of erosion site prior to the next inspection.

Inspector Comment

Minor erosion on waterside slope. Recommend monitoring



View of erosion on waterside levee slope. Spring 2017.

LM Start	1.21	Rating **	М	Issue No.		11				
LM End	1.21	Issue Type +	Ма	Location *	WS					
Category	Earthen L	.evee		GPS La	atitud	le/Longitude				
Calegory				Start		End				
Item	Encroach	ments		38.6625	46°	38.662546	c			
пеш				-121.6150	83 °	-121.615083	c			
DWR ID	827_01_s _ 201	7_11								
	Comment Code									

TR : Tree or limb

Inspector Comment

Fallen tree limbs on waterside levee slope.

* Location	** Rating		+ Issue Type
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	1.34	03/07/2019 03/07/2019	Zach Jojola

LM Start	1.30	Rating **	М	Issue No.		4			
LM End	1.30	Issue Type +	Ma	Location *		WS			
Category	Earthen L	evee		GPS La	atitud	le/Longitude			
Calegory				Start		End			
Item	Encroachments 38.					38.661485 °			
пеш						-121.614006 °			
DWR ID DWR_RD0827_01_s _ 2017_4									
		Comn	nent Cod	le					
TR : Tree	or limb								
		Inspecto	or Comm	nent					
Fallen tree	limbs on	waterside leve	e slope.						

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

LM Start	0.15	Rating **	A/W	Issue No.	10		
LM End	0.16	Issue Type +	Ма	Location *			
Category	Supplemental			GPS Latitude/Longitude			
Calegory			Start		End		
Item	2017 Stor	m Damage		38.67477	78 °	38.674583 °	
пеш			-121.64280)6°	-121.642722 °		
DWR ID	DWR_RD0827_02_f _ 2017_10						
Comment Code							

Inspector Comment

Levee Evaluation Comments

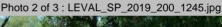
Description: Site ID No:200 Site Designation:RD 827-02

Repair Type: Erosion
Rating:Area of Concern
Field Date:6/6/2017

Notes: no damage visible, ws armored with riprap

LM Start	0.15	Rating **	A/W	Issue No.	10 (cont)
LM End	0.16	Issue Type +	Ma	Location *	







N: Not Inspected/Rated C: Corrected A/W: Acceptable but Monitor & Maintain + Issue Type
Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

LM Start	0.15	Rating **	A/W	Issue No.	10 (cont)		
LM End	0.16	Issue Type +	Ма	Location *			
Category	Supplemental					le/Longitude	
Calegory		Start		End			
Item	2017 Stor	m Damage		38.67477	B°	38.674583 °	
item				-121.64280	6°	-121.642722 °	
DWR ID	DWR_RD0827_02_f _ 2017_10						
Comment Code							

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:200

Site Designation:RD 827-02 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017

Notes: no damage visible, ws armored with riprap



LM Start	1.94	Rating **	М	Issue No.		8								
LM End	1.96	96 Issue Type + Ma Location *		1.96 Issue Type + Ma Location *		Location *		a Location *		Type + Ma Location *		Ma Location *		LS
Catagony	Earthen Levee			GPS Latitude/Longitude										
Category			Start		End									
Item	Slope Sta	bility		38.6522	32 °	38.651939°								
пеш				-121.6272	64 °	-121.627088 °								
DWR ID	DWR_RD0	827_02_s _ 201	9_8											

Comment Code

S1: Repair slope instability.

Inspector Comment

100' sloughing section on the landside slope. Exposed scarp is approximately 1' at the worst section. LMA placed visqueen over the issue.

Photo 1 of 1: SP_2019_RD0827_188_8_20190311_00026.jpg



View of sloughing on the landside slope. Spring 2019.

Issue Type

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

LM Start	2.09	Rating **	U	Issue No.		7	
LM End	2.14	Issue Type +	Ма	Location *	LS		
Category	Earthen Levee			GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Slope Sta	bility		38.6502	45 °	38.649602 °	
пеш				-121.6260	36°	-121.625646 °	
DWR ID DWR_RD0827_02_s _ 2019_7							
		Comn	nent Cod	le			
S1 : Repai	r slope ins	tability.					
		Inspecto	or Comm	nent			
Sloughing from 2019 storm damage. LMA placed visqueen over the issue.							



View of sloughing on the landside slope. Spring 2019.

LM Start	2.62	Rating **	М	Issue No.		6	
LM End	2.62	Issue Type +	Ma	Location *	WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Category				Start		End	
Item	Encroach	ments		38.6433	75 °	38.643375°	
item				-121.6217	76°	-121.621776 °	
DWR ID	DWR_RD0	827_02_s _ 201	8_6				
		Comn	nent Cod	le			
DE : Debri	S						
		Inspecto	or Comm	nent			
Fridge on the waterside slope.							

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

LM Start	2.72	Rating **	М	Issue No.	13	
LM End	2.73	Issue Type +	Ma	Location *		
Category			GPS Latitude/Longitude			
Calegory	Category			Start		End
Item	2017 Stor	m Damage		38.64213	9°	38.642028
пеш				-121.62075	0°	-121.620667
DWR ID	ID DWR_RD0827_02_f _ 2017_13					
Comment Code						

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:199

Site Designation:RD 827-01 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017

Notes: landside. Sloughing on the landside slope near pump.

Movement has stabilized and the LMA will be constructing a setback levee within the next 3 years. Recommend monitoring.

LM Start	2.72	Rating **	М	Issue No.	13 (cont)
LM End	2.73	Issue Type +	Ma	Location *	



View of sloughing on the landside slope. Spring 2019.

Photo 2 of 4: LEVAL_SP_2019_199_1231.jpg



Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

LM Start	2.72	Rating **	М	Issue No.	13 (cont)				
LM End	2.73	Issue Type +	Ма	Location *					
Category	Supplemental				GPS Latitude/Longitude				
Calegory	Category			Start		End			
Item	2017 Stor	m Damage		38.64213	9°	38.642028 °			
пеш				-121.62075	o°	-121.620667 °			
DWR ID	DWR ID DWR_RD0827_02_f _ 2017_13								
Comment Code									

Inspector Comment

Levee Evaluation Comments

Description: Site ID No:199

Site Designation:RD 827-01 Repair Type: Erosion Rating:Area of Concern Field Date:6/6/2017

Notes: landside. Sloughing on the landside slope near pump. Movement has stabilized and the LMA will be constructing a setback levee within the next 3 years. Recommend monitoring.

LM Start	2.72	Rating **	М	Issue No.	13 (cont)
LM End	2.73	Issue Type +	Ma	Location *	



Photo 4 of 4: LEVAL_SP_2019_199_1234.jpg



N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0827 Elkhorn

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Left	2.78	03/05/2019 03/05/2019	Zach Jojola

2.72	Rating **	A/W	Issue No.	14		
2.72	Issue Type +	Ма	Location *	LS		
Earthen Levee			GPS Latitude/Longitude			
			Start		End	
Slope Stability			38.6420	18°	38.642018 °	
			-121.62094	14 °	-121.620944 °	
DWR ID DWR_RD0827_02_s _ 2017_14						
	Comn	nent Cod	le			
	Earthen L Slope Sta	Earthen Levee Slope Stability DWR_RD0827_02_s _ 201 Comn	Earthen Levee Slope Stability DWR_RD0827_02_s _ 2017_14 Comment Coc	Earthen Levee GPS La Start Slope Stability 38.6420 -121.62094 DWR_RD0827_02_s _ 2017_14 Comment Code	Earthen Levee GPS Latitud Start Slope Stability 38.642018 -121.620944 DWR_RD0827_02_s _ 2017_14 Comment Code	

S1 : Repair slope instability.

Inspector Comment

Sloughing on the landside slope near pump. Movement has stabilized.

LM Start	2.72	Rating **	A/W	Issue No.	14 (cont)
LM End	2.72	Issue Type +	Ma	Location *	LS



View of sloughing and visqueen on landside levee slope. Spring 2017.

Photo 2 of 2: SP_2019_RD0827_188_14_20190304_00011.jpg



Additional view of sloughing on landside levee slope. Spring 2017.

LM Start	2.75	Rating **	М	Issue No.	5		
LM End	2.75	Issue Type +	Ма	Location *	CR		
Category	Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End	
ltom	Crown Surface / Depressions / Rutting			38.641613 °		38.641613 °	
				-121.620718°		-121.620718 °	
DWR ID	DWR_RD0827_02_s _ 2019_5						
		Comn	nent Cod	le			
C2 : Repai	r depressi	ons or ruts in	the crow	n or slope.			
		Inspecto	or Comm	nent			
Vehicle rut	s on the c	rown.					